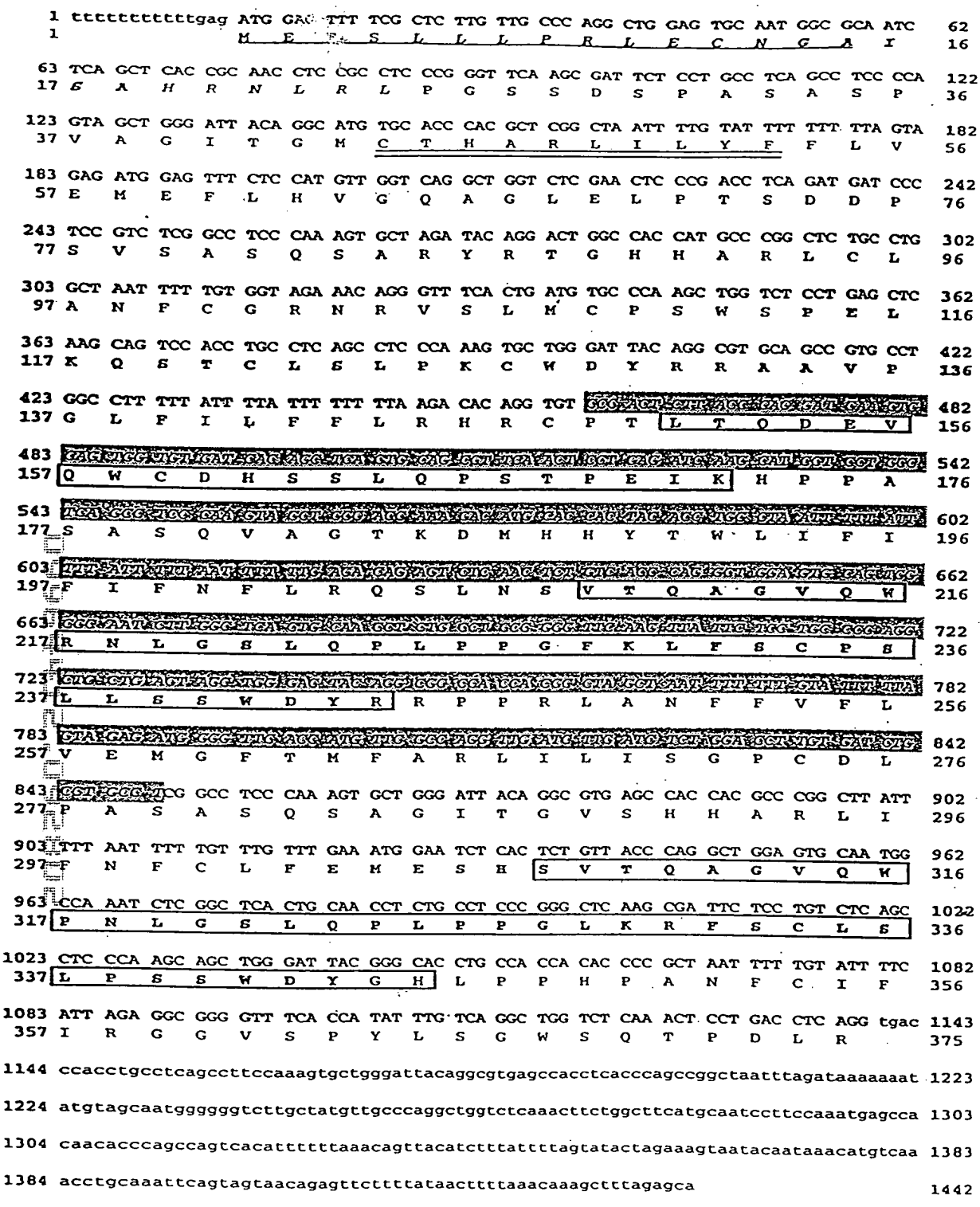
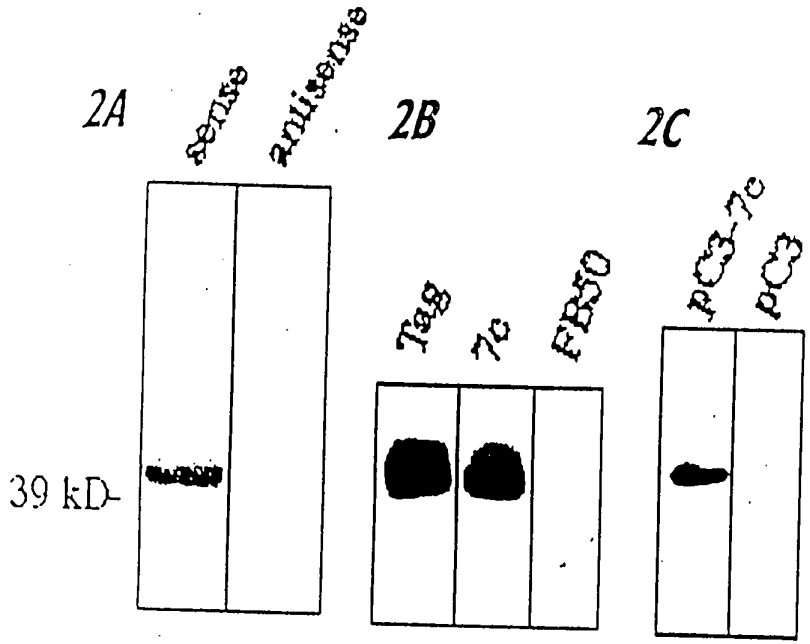
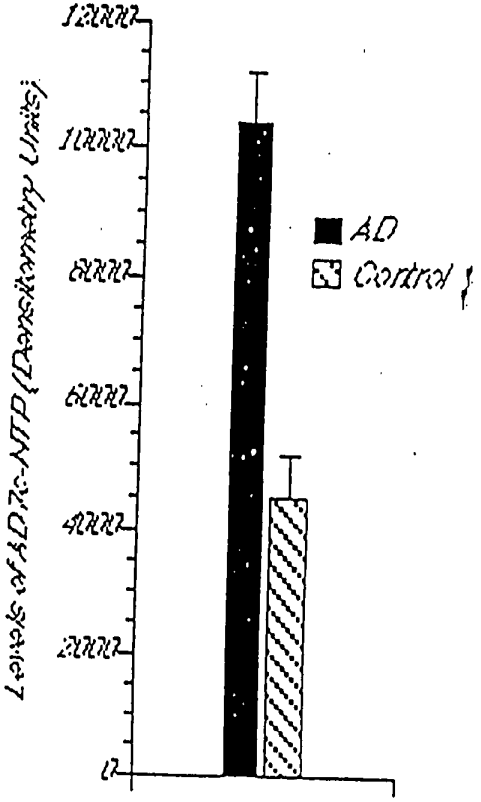
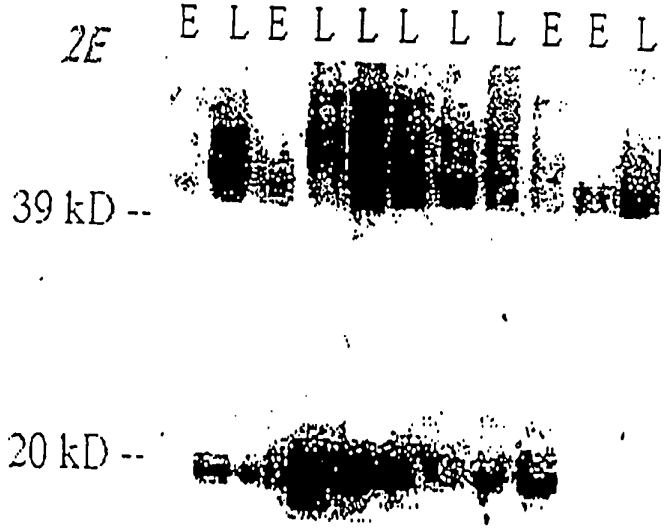


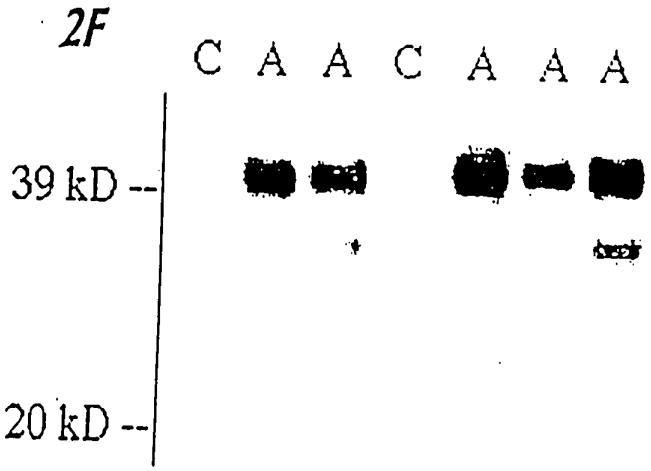
FIG. 1

# FIGS. 2A-2F


2A
sense
antisense
39 kD
2B
Tag
7c
FB50
2C
pC3-7c
pC3

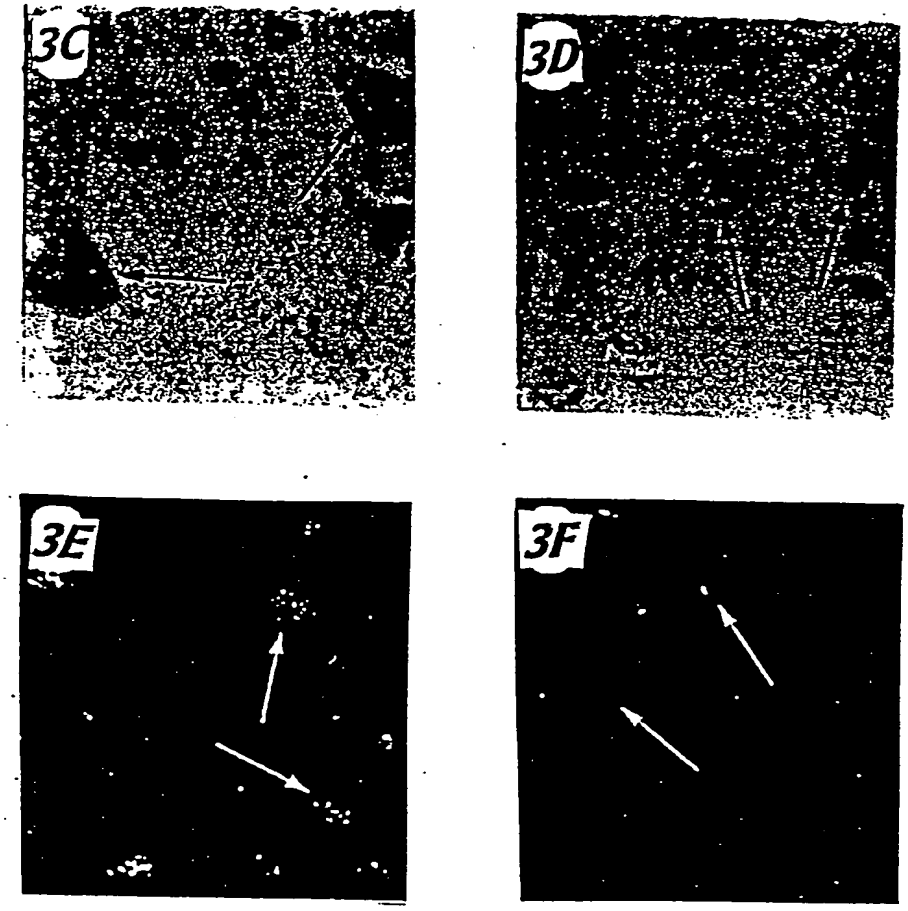

2D
AD
Control


2E
E L E L L L L L E E L
39 kD --
20 kD --


2F
C A A C A A A
39 kD --
20 kD --

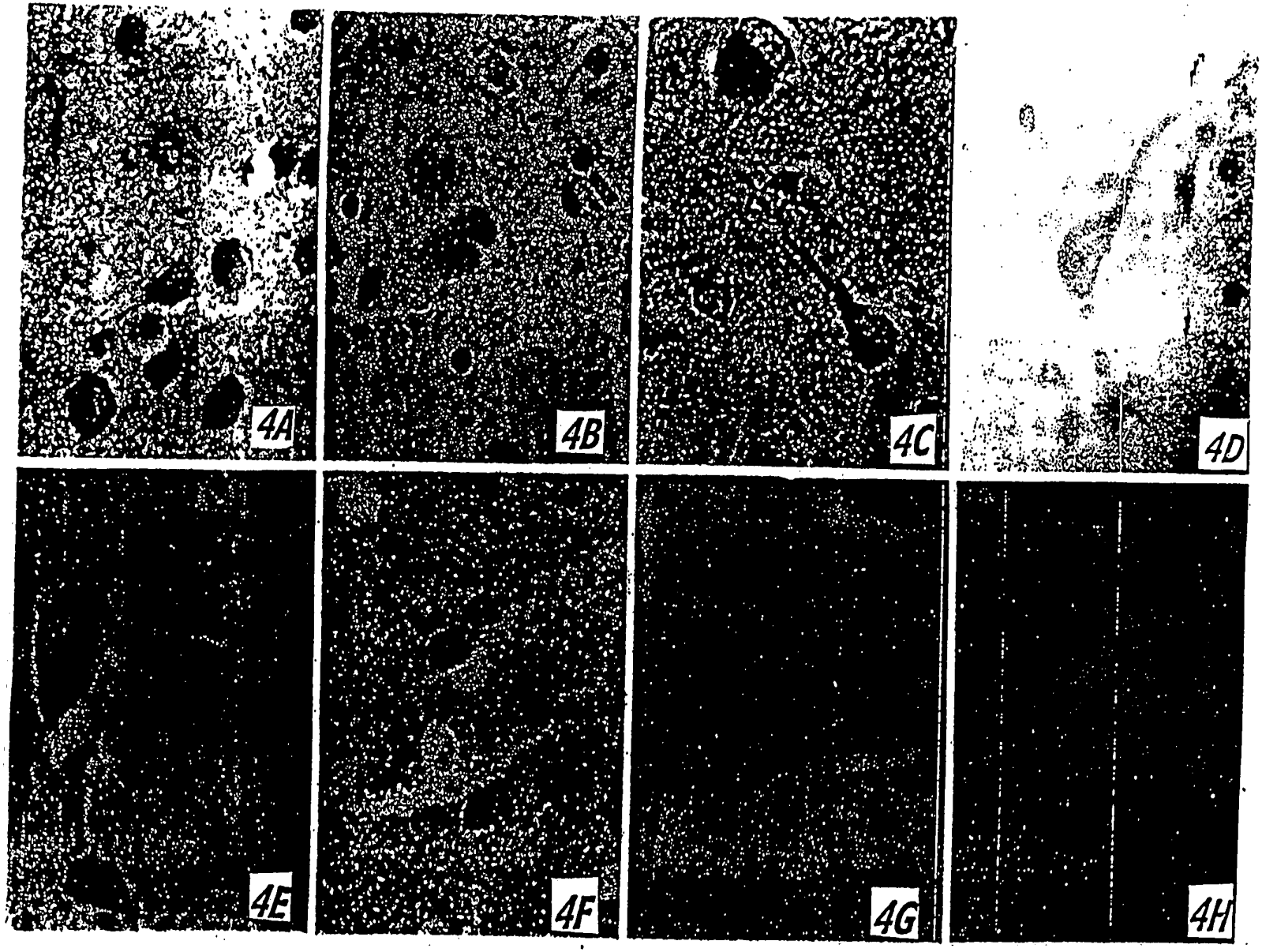
# FIGS. 3A-3B

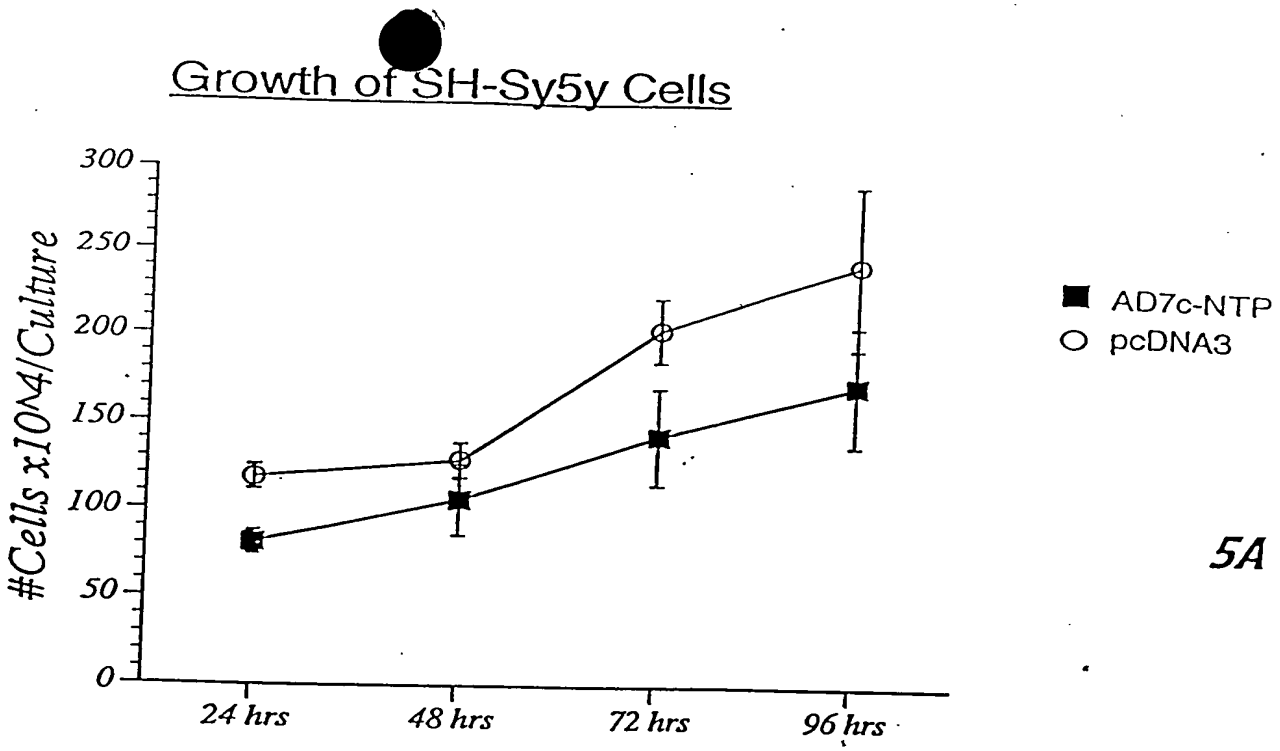

3A
Ratio of AD-7C mRNA / 18 S
0
2
4
6
8
10
12
14
AD BRAINS
AGED CONTROLS
3B
0
2
4
6
8
AD
C



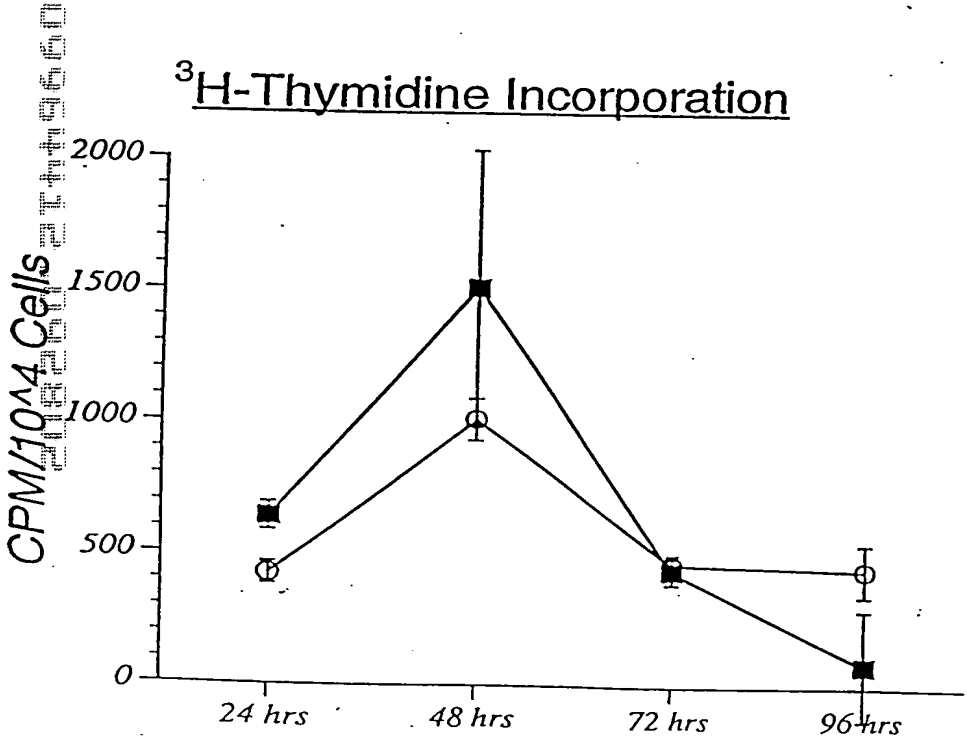

FIGS. 3C-3F

FIGS. 4A-4H





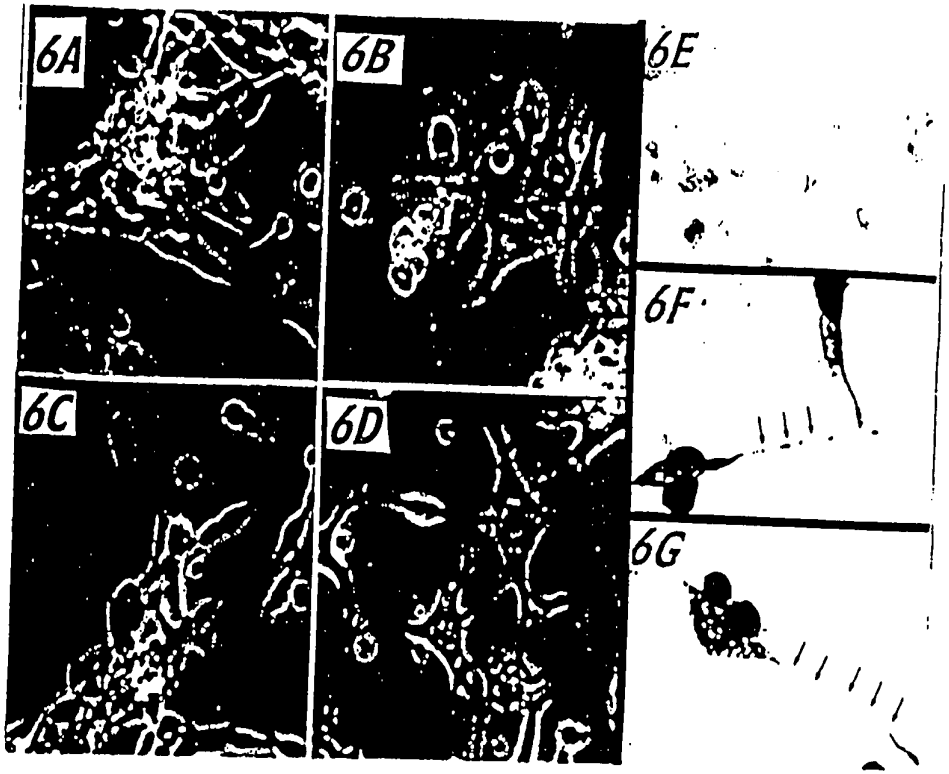

5A

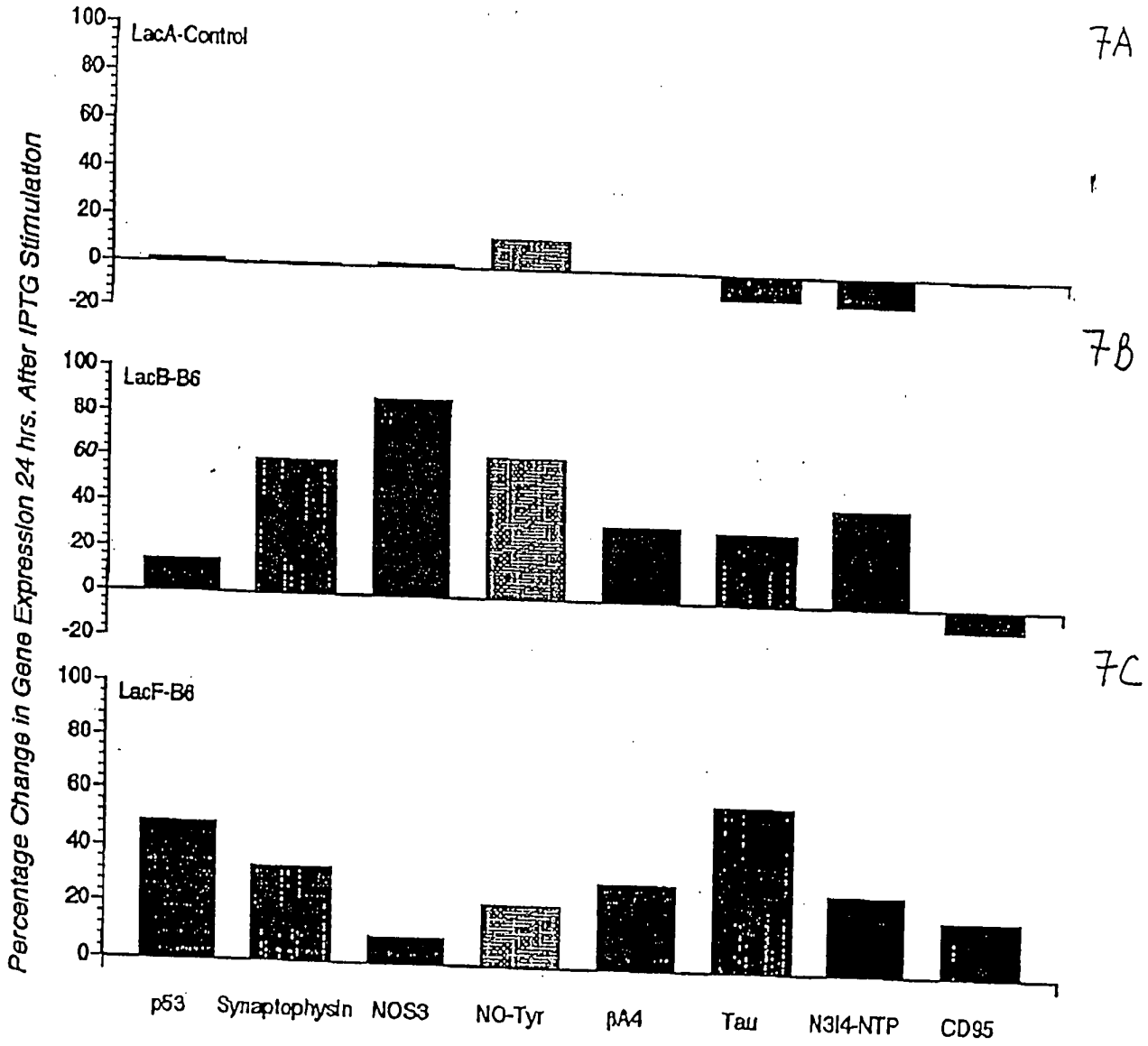



5B

FIGS. 5A-5B

FIGS. 6A-6G



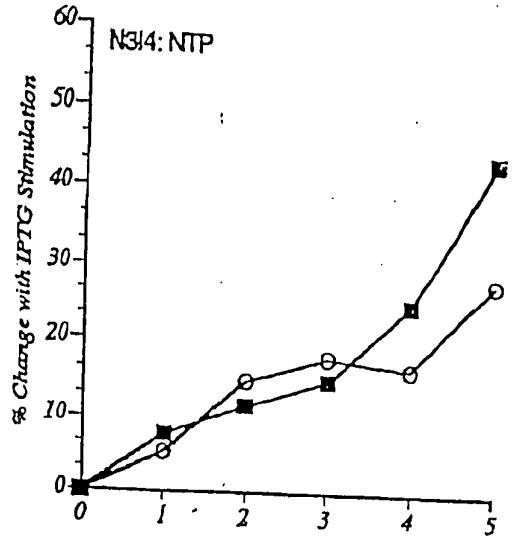

LacA-Control
LacB-B6
LacF-B6
Percentage Change in Gene Expression 24 hrs. After IPTG Stimulation
100
80
60
40
20
0
-20
p53
Synaptophysin
NOS3
NO-Tyr
βA4
Tau
N3I4-NTP
CD95

7A

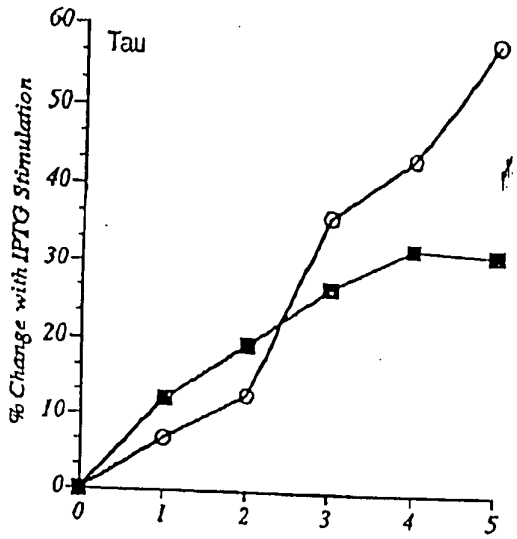
7B

7C

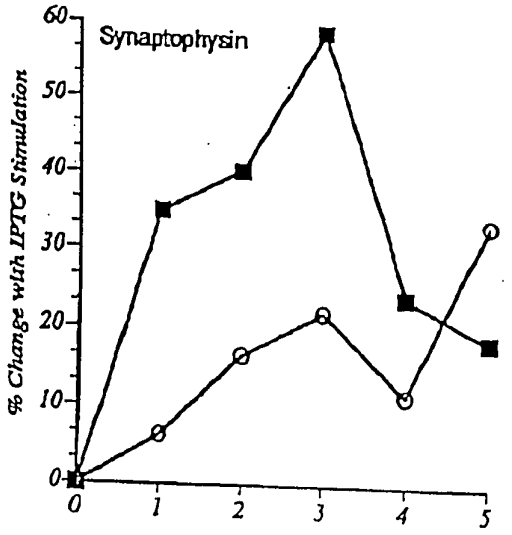
8A


N3I4: NTP
% Change with IPTG Stimulation
0
10
20
30
40
50
60
0
1
2
3
4
5

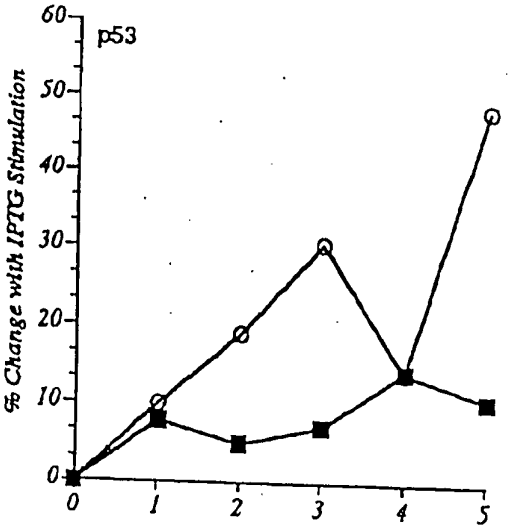
8C


Tau
% Change with IPTG Stimulation
0
10
20
30
40
50
60
0
1
2
3
4
5

8B


Synaptophysin
% Change with IPTG Stimulation
0
10
20
30
40
50
60
0
1
2
3
4
5

8D

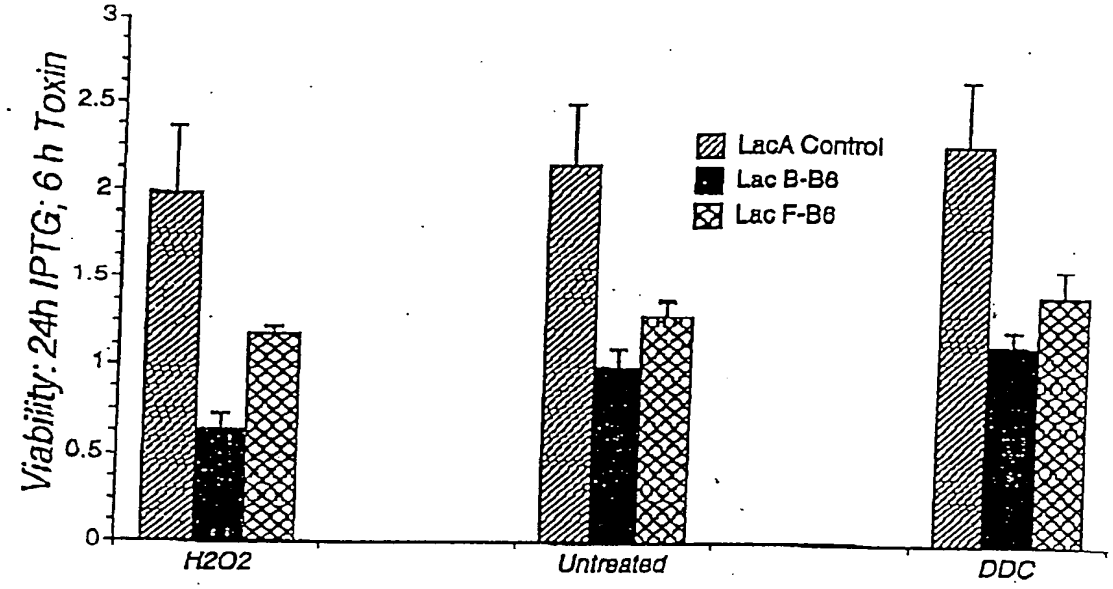

p53
% Change with IPTG Stimulation
0
10
20
30
40
50
60
0
1
2
3
4
5

9A

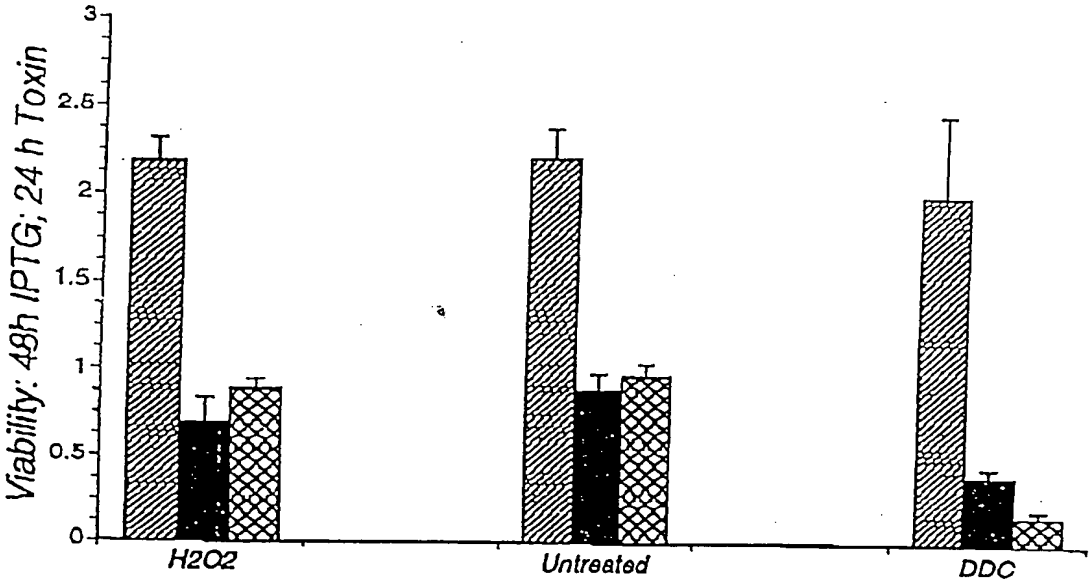



9B

10A




10B




FIGS. 10A-10B

FIG. 11

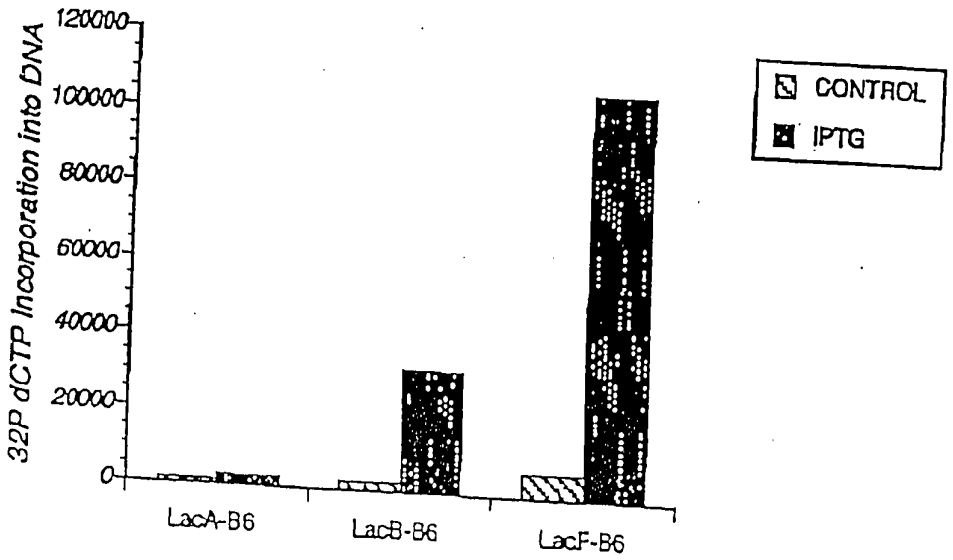
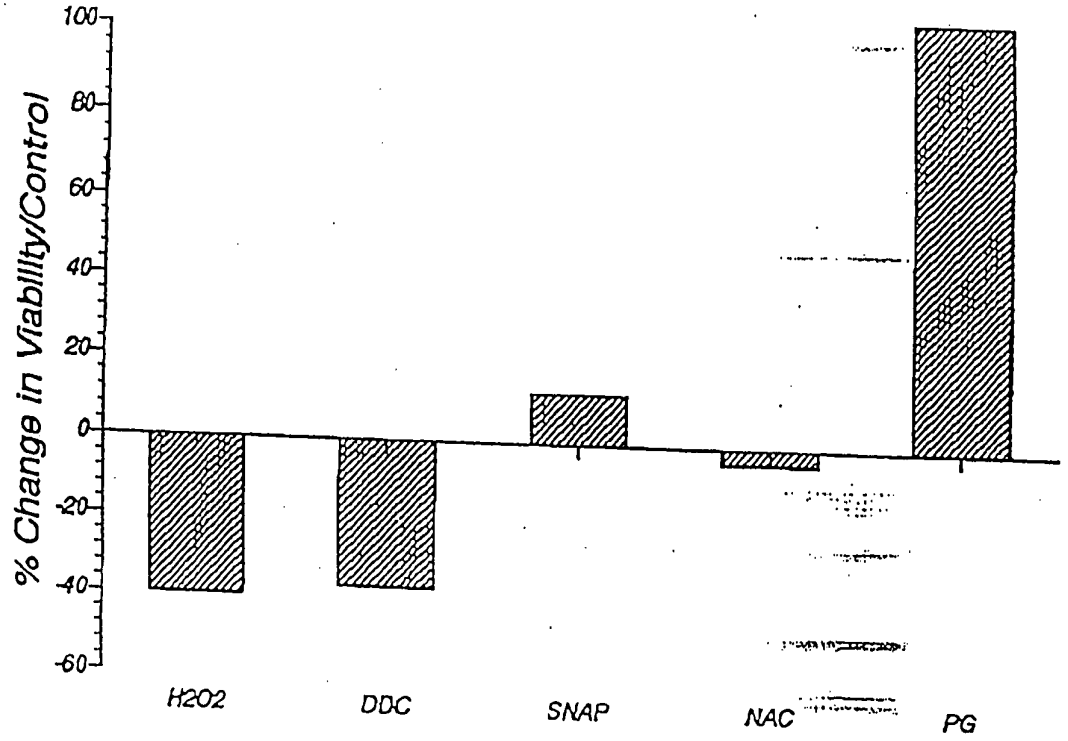

32P dCTP Incorporation into DNA
120000
100000
80000
60000
40000
20000
0
LacA-B6
LacB-B6
LacF-B6
CONTROL
IPTG

FIG. 12


% Change in Viability/Control
100
80
60
40
20
0
-20
-40
-60
H2O2
DDC
SNAP
NAC
PG